Nipple Chucks / Adapters

819 Nipple Chuck Kit

- Holds short or close nipples for threading.
- For use with Model 300 Power Drive, 300 Compact, 535 and 1822 (with adapter kit) and 1224 Threading Machines.
- Standard Nipple Chuck includes insert and 5 adapters: ½", ¾", 1", 1¼" and 1½". (Nipple Chuck body serves as 2" Adapter.)

Catalog No.	Model No.	Description	Weight	
			lb.	kg
51005	819	NPT Nipple Chuck ½"-2"	10	4.5
68160	819	BSPT Nipple Chuck ½"-2"	10	4.5
51020	D-380-X	Nipple Chuck Wrench	¼	0.1
35867	839	Adapter Kit for Model 1822 / 535A Machine	16½	7.5
62457	1219	NPT Nipple Chuck for 1215	5¾	2.6

Pipe Adapters

For use with Model 819 Nipple Chuck to allow close nipple threading of all sizes of pipe smaller than 2 inches.

Size (in.)	Model No.		BSPT Standard		Weight	
	Catalog No.	Model No.	Catalog No.	Model No.	lb.	kg
⅛	51040	E-729	–	–	½	0.23
¼	51045	E-730	68195	E-730-B	½	0.23
⅜	51050	E-731	68200	E-731-B	½	0.23
½	51055	E-732	68165	E-732-B	½	0.23
¾	51060	E-733	68170	E-733-B	½	0.23
1	51065	E-734	68175	E-734-B	½	0.23
1¼	51070	E-735	68180	E-735-B	½	0.23
1½	51075	E-736	68185	E-736-B	½	0.23

See page 4.12

Roll Grooving

- Designed to improve speed and efficiency for fire sprinkler and other industrial installations.
- Wide selection of mechanical and hydraulic units for applications up to 24" in diameter.

Roll Grooving Type	No. of Models	Pipe Capacity (in.)	Page
915 Manual Roll Groover	1	1¼ – 12	5.3
975 Combo Roll Groover	1	1¼ – 6	5.4
916 Power-Driven Roll Groover	4	2 – 6	5.5
918 Hydraulic Roll Groover	5	1 – 12	5.6
918-I Electric Roll Groover	2	1 – 12	5.7
920 Electric Roll Groover	1	2 – 24	5.8

Roll Groover Selection

	975	916	915	918	918-I	920
	Page 5.4	*Page 5.5*	*Page 5.3*	*Page 5.6*	*Page 5.7*	*Page 5.8*
Capacity	1¼"-6"	1"-6"	1¼"-12"	1"-12"	1"-12"	2"-24"
Weight	26 lbs.	33 lbs.	23 lbs.	81 lbs.	185 lbs.	160 lbs.
"In-Place" Groover			•			
Hydraulic Actuated				•	•	•
Will do SS, PVC, Al	•	•	•	•	•	•
Roll Sets for Copper		•	•	•	•	•
Drive Units	RIDGID 300 / Page 4.10 or hand	RIDGID 300 / Page 4.10 RIDGID 535* / Page 4.18 RIDGID 1822 / Page 4.23	Hand	RIDGID 300 / Page 4.10 RIDGID 535* / Page 4.18 RIDGID 1822 / Page 4.23	Included	RIDGID 300 / Page 4.10
Usage	Field	Field	Field	Fab Shop / Field	Fab Shop/Field	Fab Shop/Field

** Adapter pieces required.*
Note: Please check schedules in charts.

Pipe Size & Schedule Capacities

Model	Material	Pipe Size (inches)/Schedule															
		1	1¼	1½	2	2½	3	3½	4	4½	5	6	8	10	12	14	16	18-24
975 *page 5.4*	Steel		Sch. 5, 10, 40															
	Stainless		Sch. 5, 10, 40			Sch. 5, 10												
	Aluminum		Sch. 5, 10, 40															
	PVC		40	Sch. 40, 80						Sch. 40								
	Copper				K, L	K, L, M	K, L, M & DW											
916 *page 5.5*	Steel	Sch. 5, 10, 40						Sch. 5, 10										
	Stainless	5, 10	Sch. 5, 10, 40			Sch. 5, 10												
	Aluminum	Sch. 5, 10, 40						Sch. 5, 10										
	PVC	Sch. 40		Sch. 40, 80			Sch. 40											
	Copper				K, L	K, L, M	K, L, M & DWV											
915 *page 5.3*	Steel		Sch. 5, 10, 40										Sch. 5, 10					
	Stainless		Sch. 5, 10, 40			Sch. 5, 10												
	Aluminum		Sch. 5, 10, 40										Sch. 5, 10					
	PVC		40	40, 80	40	Sch. 40, 80			Sch. 40									
	Copper				K, L	K, L, M	K, L, M & DWV											
918/918-I *page 5.6 & 5.7*	Steel	Sch. 5, 10, 40												Sch. 5, 10				
	Stainless	5, 10	Sch. 5, 10, 40			Sch. 5, 10												
	Aluminum	Sch. 5, 10, 40												Sch. 5, 10				
	PVC	40	40	40, 80	40	Sch. 40, 80							Sch. 40					
	Copper				K, L	K, L, M	K, L, M & DWV											
920 *page 5.8*	Steel				Sch. 5, 10, 40											5, 10 std.*		5, 10
	Stainless				Sch. 5, 10, 40											5, 10 std.*		5, 10
	Aluminum				Sch. 5, 10, 40											5, 10 std.*		5, 10
	PVC				40	Sch. 40, 80				Sch. 40								
	Copper				K, L	K, L, M	K, L, M & DWV											

** 8" grooving is not recommended for Sch. 40 if pipe hardness is above 150 BHN.*
** Std. = Standard wall thickness (.375).*
Note: Use of roll sets on both carbon and stainless steel pipe can lead to contamination of the stainless material. This contamination could cause corrosion and premature pipe failure.
To prevent ferrous contamination, use roll sets dedicated for stainless steel grooving.
Note: Consult groover manual for exact capacity specifications.

Roll Groover/Threader Compatibility

	Threader Model							
Roll Groover Model	**1210***	**1215***	**300 Complete**	**300 Compact**	**1822**	**535 Manual**	**535 Auto***	**1224**
916	–	–	45007	67662	48307	60382	–	–
975	–	–	91207	–	–	–	–	–
918-1	–	–	48297	–	–	–	–	–
918-2	–	–	–	–	48377	–	–	–
918-4	–	–	–	–	–	–	–	48382
918-5	–	–	–	–	–	48387	–	–
920	–	–	95782	–	–	–	–	–

**Not recommended for roll grooving applications.*

Model 915

Model 915 Manual Roll Groover

The new RIDGID Model 915 Roll Groover is a manual roll groover for in-place field applications. The Model 915 requires only 3½" of clearance to travel around a pipe and a minimum of 2¾" of exposed pipe for grooving. With the appropriate roll sets, it can groove from 1¼" to 12" pipe, the widest range in its class! The Model 915's cast-in handle allows for easy transport or chaining the groover down to prevent theft. The Model 915 is a must for service work crews.

Features

- Lightweight design – only 23 pounds.
- Easy roll set change out – up to 12" pipe capacity in one unit for service versatility.
- Cast-in carrying handle – easy to transport or lock up to prevent theft.
- Included ratchet – 90 degree bend-in handle makes grooving easier.
- Available customized tool box – holds Model 915 groover and all available roll sets.
- Easy to use depth setting gauge – helps make accurate grooves.

Some items sold separately

Specifications

Capacity:
– 1¼"- 12" Schedule 10 Steel and Stainless Steel Pipe.
– 1¼"- 6" Schedule 40 Steel Pipe, 1¼"-2" Sch. 40 Stainless Steel Pipe.
– 2"-8" K, L, M, DWV Copper.
– 1¼"- 6" Schedule 40 PVC.
– 1½", 2½"- 3" Schedule 80 PVC.

- Operation: Feed screw with ½" ratchet wrench (included).
- Weight: 23 lbs. (including ratchet).

Standard Equipment

- Model 915 Roll Groover with 2"- 6" Sch. 10 (2"- 3½" Schedule 40).
- Roll Set Ratchet Wrench.

Accessories

Catalog No.	Model No.	Description	Weight	
			lb.	kg
88232	915	915 Roll Groover with 2" - 6" Sch. 10 (2" - 3½" Sch. 40) Roll Set	23	10.4
92437	–	Drive and Groove Roll Set for 1¼" - 1½" Sch. 10 or 40 Steel, Stainless Steel, PVC	2	0.9
92447	–	Drive and Groove Roll Set for 4" - 6" Sch. 40 Steel, Stainless Steel, PVC	4½	1.9
92442	–	Drive and Groove Roll Set for 8" - 12" Sch. 10 Steel, Stainless Steel, PVC	4½	1.9
92452	–	Drive and Groove Roll Set for 2" - 8" Copper Tube Type K, L, M, and DWV	2	0.9
93497	–	915 Tool Box	21½	9.7
76827	–	Metric Diameter Tape	½	0.1
76822	–	English Diameter Tape	½	0.1

Note: A Roll Groove Set consists of a Groove Roll and a Drive Roll.
Copper Roll Groove Set includes Black Reaction Arm and one Copper Stabilizer Pad.

TOOLTIP

Ensure proper pipe end preparation because square cuts are critical to accurate and reliable grooves.

Model 975

Model 975 Combo Roll Groover

The Model 975 Combo Roll Groover is two tools in one. Like other RIDGID roll groovers, the 975 mounts on the RIDGID® 300 Power Drive for machine-powered roll grooving jobs, but it is also designed to manually roll groove in-place pipe.

Auto Tracking & Depth Setting Gauge Means Easier Use

The 975 Combo Groover includes patented auto tracking technology for significantly easier grooving. Whether you're doing machine-powered or manual grooving, the AutoTrack gauge keeps the pipe automatically engaged to the groover throughout the grooving process. The 975 also includes a permanently-fixed depth setting gauge for quicker, repeatable set-up.

Less Hand-Force Required

When manually roll grooving, the 975's 55% higher gear reduction means less hand-force is required versus competitive manual roll groovers. This is especially helpful for over-head roll grooving.

Durability And Portability

A tough, ductile iron construction means the 975 can absorb job site abuse and provide accurate grooves time after time. A cast-in handle makes the 975 easily portable to and from the job site.

Specifications

- Pipe Capacity:
  - – 1¼"- 6" Schedule 5, 10 and Schedule 40 Steel, Aluminum and PVC Pipe.
  - – 1¼"- 6" Schedule 5, 10 and 1¼"- 2" Schedule 40 Stainless Steel Pipe.
  - – 2"- 8" Copper Tube Types K, L, M & DW.
- Depth Adjustment: Adjusting screw and integral, index depth gauge.
- Actuation: Feed screw with ½" ratchet wrench (included) or any 15⁄16" hex wrench.
- Power Drive Mounting: RIDGID Model 300 Power Drive 38/57 RPM (Reverse Direction Only).

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
25638	975	975 Combo Roll Groover	26.1	11.9
32828	975	975 Combo Roll Groover for Use with Copper Tube	26.1	11.9
32833	975	Roll Set Kit for 2" - 8" Copper Tube Type K, L, M & DW	5.0	2.3
67662	–	Adapter Bracket for 300 Compact	15.9	7.2
41855	300	300 Power Drive, 115V 50/60Hz 38RPM	94	43
75075	300	300 Power Drive, 115V 50/60Hz 57RPM	94	43
42360	1206	1206 Stand for 300 Power Drive	31	14.1
72037	460	460 Portable TRISTAND Chain Vise	47	21
16703	425	425 Portable TRISTAND Chain Vise	32	14.5
56662	VJ-99	VJ-99 V Head High Pipe Stand	23	10.4
76822	–	Inch Diameter Tape	0.5	0.1
76827	–	Metric Diameter Tape	0.5	0.1
30708	–	Extension, ½" Drive, Locking	0.05	0.1
30703	–	Ratchet, ½" Drive With 90° Bend	1.7	0.8

For pipe stands, see page 2.4.

Model 916

Power-Driven Model 916 Roll Groover

The RIDGID Model 916 Roll Groover is the most durable and efficient lightweight portable unit available. Built with a solid, durable cast-iron housing, it withstands heavy usage, yet is light enough for easy transportation. It features a single stroke feed mechanism that allows for accurate operation quickly and effortlessly.

Features

- Specifically designed for field service roll grooving applications.
- Quick and easy mount to RIDGID Model 300 Power Drive or Model 535 Threading Machine. See pages 4.16 and 4.20.
- Cam-type feed actuation – translates into minimum operator effort to form roll grooves.
- Durable cast-iron housing withstands extensive field use.
- Depth adjustment screw separate from feed mechanism allows for consistent groove depth.
- Lightweight, only 33 lbs., allows for easy transport and storage.
- Integral feed handle is part of overall unit. No extra tools required.
- Optional Roll Sets for: Copper 2"- 6" (Types K, L, M, DWV), 1" Sch. 10, 40 steel pipe.
- Optional 1¼"- 1½" and 2"- 6" AWWA Roll Sets.
- Easy serviceability – drive and groove rolls are easy to change.

Specifications

- Capacity:
  – 1¼"- 6" Schedule 10 steel, stainless steel, PVC.
  – 1¼"- 3" Schedule 40 steel, stainless steel, PVC.
  – 2"- 6" Copper (type K, L, M, DWV) optional.
- Weight: 33 lbs. (15 kg).

Standard Equipment

- One 1¼"- 6" Roll Groove Set for steel. (1¼"- 6" Schedule 10, 1¼"- 3" Schedule 40).

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
45007	916	Roll Groover for 300 Power Drive	33	15
46852	916	Roll Groover for Copper Tubing for 300 Power Drive	34	15.5
60382	916	Roll Groover for 535	33	15
48307	916	Roll Groover for 1822	33	15
Accessories				
45347	–	Roll Set for 1" Sch. 10, 40	6	2.6
45352	–	Roll Set for Copper (optional)	6	2.6
69667	–	Roll Set for 1¼"- 1½" AWWA (optional)	6	2.6
69692	–	Roll Set for 2"- 6" AWWA (optional)	6	2.6
67662	–	Adapter Bracket for 300 Compact	30	13.6
76822	–	English Diameter Tape	½	0.1
76827	–	Metric Diameter Tape	½	0.1

Note: A Roll Set consists of a Groove Roll and a Drive Roll.

Model 918

Model 918 Hydraulic Roll Groover

The RIDGID Model 918 Hydraulic Roll Groover features a powerful 15-ton hydraulic ram in a compact, easy to transport unit. With one man set-up and operation, it is the ideal groover for job site requirements. The Model 918 mounts quickly to RIDGID models 300 power drive, 535 or 1224 threading machines. (See pages 4.16, 4.20 and 4.28.) Designed to provide maximum efficiency, it is capable of grooving up to 12" Schedule 10 and 8" Schedule 40 standard wall pipes. Roll Set changeout is accomplished in seconds.

Specifications

- Capacity:
  - 1"- 12" Schedule 10 steel, stainless steel, PVC.
  - 1"- 8" Schedule 40 steel, PVC.
  - 1"- 2" Schedule 40 stainless steel.
  - 2"- 6" Copper (Types K, L, M, DWV).
  - 2½"- 6" Schedule 80 PVC.
- Weight: 81 lbs. (37 kg).

Standard Equipment

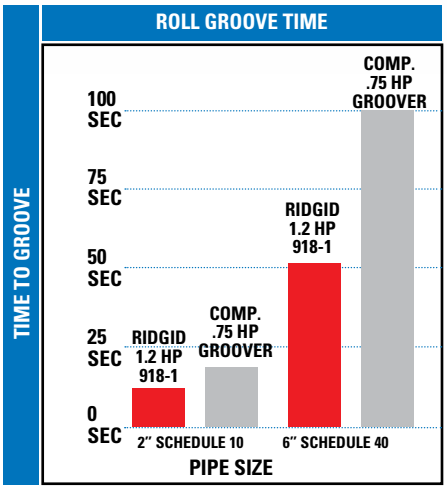
- One 2"- 6" Schedule 10/40 Roll Set.
- One 8"- 12" Schedule 10 (8" Schedule 40) Roll Set.
- Tools for Roll Set Change.
- One Carrying case for Roll Sets.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
48297	918-1	918 Roll Groover w/300 Power Drive Mount Kit	104	47.2
48377	918-2	918 Roll Groover w/1822 Power Drive Mount Kit	134	60.9
48382	918-4	918 Roll Groover w/1224 Carriage Mount Kit	131	59.5
48387	918-5	918 Roll Groover w/535 Carriage Mount Kit	117	53.1
47222	918 only	918 Roll Groover Only	95	43.1
Mounting Kit Only				
48292	911	300 Power Drive Mount Kit Only	9	4
48392	912	1822 Carriage Mount Kit Only	39	17.7
48397	914	1224 Carriage Mount Kit Only	36	16.4
48402	915	535 Carriage Mount Kit Only	22	10
Accessories				
48405	–	Roll Set for 8"-12" Sch. 10 (8" Sch. 40) with carry case	18	8.2
48407	–	Roll Set for 1¼" to 1½" Sch. 10/40. Tool box includes drive shaft, bolt and tools	10	4.5
48412	–	Roll Set for 1" Sch. 10/40, and 1¼" to 1½" Sch. 10/40. Tool box includes drive shaft, bolt and tools	20	9.0
48417	–	Roll Set for copper (2"- 6")	10	4.5
59992	–	2½"- 12" Stabilizer for grooving nipples. For 918 w/300 Mounting Kit or 918-I	11	5.0
49662	–	Tool Box	5	2.0
76822	–	English Diameter Tape	½	0.1
76827	–	Metric Diameter Tape	½	0.1

Note: A Roll Set consists of a Groove Roll and a Drive Roll.

Note: Do not use to groove 8" schedule 40 steel pipe harder than 150 Brinnel.



Model 918-I Roll Groover

The RIDGID Model 918-I Roll Grooving Machine is capable of grooving 1" to 8" Schedule 40 and 1" to 12" Schedule 10 pipe faster than any roll grooving machine in its class. Powered by a 1.2 HP universal motor and heavy duty transmission, the Model 918-I produces high quality grooves consistently and effortlessly.

It comes standard with a rugged wheel stand built for mobility in the shop without compromising stability. The stand's tray is tough enough to support 200 lbs. The Model 918-I uses a custom-designed, two-stage hydraulic pump that minimizes pipe flare, operator fatigue and hydraulic fluid leaks.

Features

- Fastest roll groove time in its class. (See Roll Groove Time chart below).
- Offers maximum versatility in roll grooving capacities (see specifications below).
- Custom engineered 2-stage, 15-ton hydraulic pump and ram eases grooving and reduces flare and operator's fatigue.
- Produces consistent, high quality roll grooves.
- 115V approved by CSA to CSA and UL standards.

Specifications

- Capacity
  – 1"- 12" Schedule 10 steel.
  – 1"- 8" Schedule 40 steel.
  – 2"- 6" copper (Types K, L, M, DWV).
  – 2½"- 6" Schedule 80 PVC.
- Weight: 185 lbs./84.1 kg.
- Motor: Universal ½ HP, 115V, 60 Hz.
- Motor Control: On/Off Heavy-Duty with Foot Switch.
- RPM: 45 (no load).

Standard Equipment

- One 2"- 6" Schedule 10/40 Roll Set.
- One 8"-12" Schedule 10 (8" Schedule 40) Roll Set.
- One Tool for Roll Set Changeout.
- One Carry Case for Roll Sets.
- One Heavy-Duty Wheel Stand with Tray.
- One Foot Switch.
- One 1"- 12" Stabilizer for Grooving Nipples.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
64977	918-I	Roll Grooving Machine Complete. 115v	185	84.1
65902	918-I	Roll Grooving Machine Complete. 230v (Export Only)	185	84.1
Accessories				
48405	–	Roll Set for 8"-12" Sch 10 (8" Sch 40) With Carry Case	18	8.2
48407	–	Roll Set for 1¼"- 1½" Sch 10/40 With Carry Case	10	4.5
48412	–	Roll Set for 1" Sch 10/40 and 1¼"- 1½" Sch 10/40 With Carry Case	20	9.0
48417	–	Roll Set for 2"-6" Copper	10	4.5
59992	–	2½"-12" Stabilizer for Grooving Nipples	11	5.0
76822	–	English Diameter Tape	½	0.1
76827	–	Metric Diameter Tape	½	0.1

Note: A Roll Set consists of a Groove Roll and a Drive Roll.
Note: Do not use to groove 8" schedule 40 steel pipe harder than 150 Brinnel.

For pipe stands, see page 2.4.

Model 920 Roll Groover

The RIDGID Model 920 Roll Groover takes grooving to a whole new level. With a capacity range of 2"-24" diameter pipe, it has the largest capacity of any RIDGID roll groover. The Model 920 mounts to the RIDGID Model 300 Power Drive for use in the field or shop. Also available is the Model RJ624 Large Diameter Pipe Support for grooving pipe up to 24" in diameter, a perfect complement to the Model 920 Roll Groover (see page 2.5).

Model 920 Benefits

- Largest grooving capacity in its class.
- Transportation Mode – Detachable Wheels enable one man to easily move the Model 920 around a jobsite. Also available is a Model 32 Transporter (see page 4.17).
- Patented Depth Setting Gauge – Easy and accurate groove depth setting does not require adjusting the protective guarding.
- Built-in Pressure Gauge – Helps operator monitor hydraulic pressure to control flare and optimize groove time.
- Front Roll Set Change-Out – User can switch groove roll sets quickly and easily.
- Easy Adjust Support Legs – Helpful when leveling the groover on uneven ground.

Standard Equipment

- Model 920 Roll Groover with support legs.
- 2"- 6" Schedule 10/40 Groove Roll Set with box.
- 8"-12" Schedule 10/40 Groove Roll Set.
- 14"-16" Standard Wall (0.375) Groove Roll Set with box.
- Model 920 Training Video and User Manual.
- Transport wheels.

Ordering Information

Catalog No.	Model No.	Description	Weight	
			lb.	kg
95782	920	920 Roll Groover with 2"- 6" Sch. 40, 8"-12" Sch. 40 and 14"-16" Std. Wall Roll Sets	199	90.3
96987	–	Drive and Groove Roll Set for 18"- 20" Sch. 10 Steel or Stainless Steel	21	9.5
96992	–	Drive and Groove Roll Set for 22"- 24" Sch. 10 Steel or Stainless Steel	22	10
96997	–	Drive and Groove Roll Set for 4"- 6" Sch. 40 Steel or Stainless Steel	20	9
96982	–	Drive and Groove Roll Set for 2"- 8" Copper Tube Type K, L, M, and DMV	20	9
96372	RJ624	RJ624 Large Diameter Pipe Stand	167	75.7
76827	–	Metric Diameter Tape	½	0.1
76822	–	English Diameter Tape	½	0.1
42575	32	Transporter for Power Drives and TRISTAND Vises	14¼	6.5

For pipe stands, see page 2.4.